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# RF-7800I

## INTERCOM SYSTEM

DEFAULT  
CONFIGURATION  
OP CARD



**HARRIS**

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## **RF-7800I INTERCOM SYSTEM**

### **DEFAULT CONFIGURATION OP CARD**

This operator card applies to the RF-7800I Intercom System and the pre-installed software configuration. The RF-7800I-CU Central Unit comes pre-loaded with a configuration file for quick installation and checkout of the delivered RF-7800I Intercom hardware. The adjacent figure shows a sample system supported by the default configuration file.

The default configuration is designed to be universal in audio operation; the user may want to adapt the configuration to specific radios, data routing, user priority settings and support of remote control. Refer to the following for additional information:

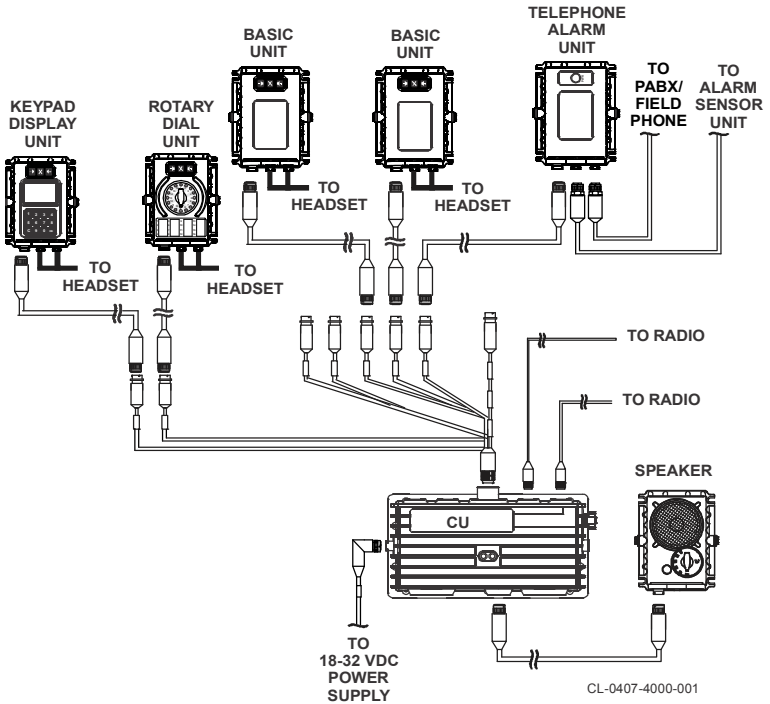
- 10515-0382-4200, RF-7800I Vehicular Intercom System Reference Guide
- 10515-0407-4200, RF-7800I Digital Intercom System Control Center Software

The configuration file is constructed to support connection of any combination of the available crew stations (RF-7800I-KD Keypad Display Unit, the RF-7800I-RD Rotary Dial Unit or the RF-7800I-BU Basic Unit) on any or all of the available eight (8) lines for the RF-7800I-CU1XX Central Unit or four (4) lines for the RF-7800I-CU2XX Central Unit Light. The exception to this is the RF-7800I-TA1XX Telephone/Alarm Unit where only one unit may be connected in the default-configured system.

Crew stations are available in either a dual headset variant (J2 - Primary and J3 - Secondary headset ports) or single headset (J2 - Primary) with a RS-232 data port. All crew stations and headset ports are connected to the Local Conference, which allows intra-communications between operators connected to a single Central Unit. Only the Keypad Display Unit disconnects from the Local Conference when an External Conference is selected.

Depending on customer requirements, configuration of user crew station hardware and cable part numbers may differ.

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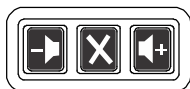
Sample Intercom System

# RF-7800I INTERCOM SYSTEM

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### RF-7800I CREW STATION USER OPERATION AND KEY FUNCTIONS



The RF-7800I-CU Central Unit interfaces to a variety of crew station types to provide customized vehicular communications for a wide range of applications. The three main crew stations are the RF-7800I-KD Keypad Display Unit, the RF-7800I-RD Rotary Dial Unit and the RF-7800I-BU Basic Unit. Common to these three crew stations are a three-button interface. The buttons are located on top of each unit and their operation is identical.







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The function of each button and button-combination is detailed below:



**Option Control:** Press  to set volume function which is adjustable with the  and the  keys. An audible message of the menu item chosen will be heard on the J2 (Primary) headset only. Ten (10) seconds of key inactivity will result in the LED display exiting from the Option Control menu to the original (default) display.



**Volume Control Primary:** Setting 1  for minimum headset volume to Setting 15  maximum headset volume.


**Option Control Increase:** After using the  key to select the desired option, press the  key to increase volume. An audible message of the Option Control will be heard on the J2 or J3 headset.

**Option Control Decrease:** After using the  key to select the desired option, press the  key to decrease volume. An audible message of the Option Control will be heard on the J2 or J3 headset.

**Primary Headset (J2) Settings:** Press and hold both  and  simultaneously to set the crew station unit to control primary (J2) headset functions.

**Secondary Headset (J3) Settings:** Press and hold both  and  simultaneously to set the crew station unit to control secondary (J3) headset functions.

**All User Broadcast:** Press and hold both  and  simultaneously to broadcast and speak to all connected users. An audible message of "Broadcast" will be heard on the J2 (Primary) headset for the broadcast call initiator only. Release keys to return to normal operation.

**Alarm Event:** The  will flash when an alarm is detected. Alarms are detected when the RF-7800I-TA crew station is connected to the RF-7800I-CU Central Unit and an alarm event is initiated.

**RF-7800I-KD KEYPAD DISPLAY**

The RF-7800I-KD Keypad Display provides operators with real-time command and control of the intercom's communication modes through an icon driven keypad interface.

The three (3) rows by four (4) columns of icons correspond to the layout of the keypad buttons. As an example, pressing the numeral 4 button will select the Icon displayed in the top right corner of the screen. Icons, when selected, will change in contrast as is shown in the Local Conference Icon below. Some icons are listed as Submenu; selection of these icons will display a new screen with those icons associated with the Submenu function.

When a button associated with an icon is pressed and held, information about this function is displayed. The Field Phone and PBX Icons will not appear if a RF-7800I-TA1XX Telephone/Alarm unit is not connected.

**Connected to Local Conference**

**Radio Submenu**

**Connect to Radio 1 (example)**

**Radio Retransmission Submenu**

**Connect to Operators Submenu**

**Speaker Submenu**

**Connect to PBX Telephone**

**Crew Station information**

**Connect to External Conference**

**Shift**

**Monitor Radio**

**Retransmission**  
(example Radio 1, Radio 4)

**Talk to User**  
(example Line 2, Primary)

**Connect to Field Telephone**

**Voice over Internet Protocol**  
(VoIP) call

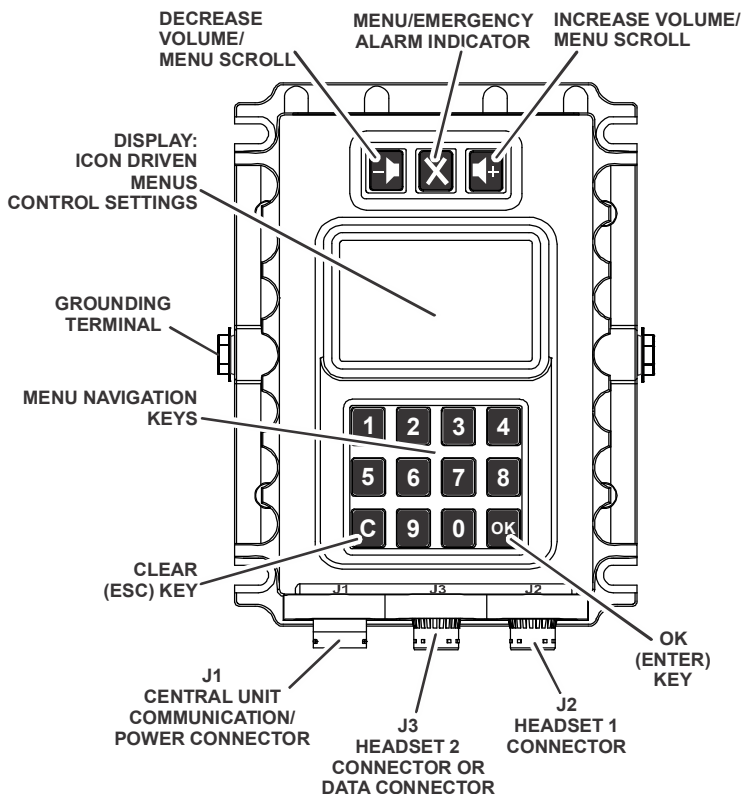
**System Information**

**Return to Main Menu**

**Radio Input Gain**

# RF-7800I INTERCOM SYSTEM

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## RF-7800I INTERCOM SYSTEM

### DEFAULT CONFIGURATION OP CARD

#### RF-7800I-RD ROTARY DIAL

The RF-7800I-RD Rotary Dial provides operators with access to sixteen (16) programmable modes of operation through a one-knob switch interface.

The pre-installed configuration file from the factory allows for a Rotary Dial unit to be attached to any one of the eight (8) crew station lines of a RF-7800I-CU1XX or any one of the four (4) crew station lines of a RF-7800I-CU2XX. The configuration for connecting to Line 1 is shown below, positions ⑤ through ⑪ will adjust accordingly based on which Line the crew station is connected to in the system.

1	Connect to Local Conference	2	Connect to External Conference
3	Connect to Field Phone	4	Connect to PABX Phone
5	Talk to User (Line 2, Primary)	6	Talk to User (Line 3, Primary)
7	Talk to User (Line 4, Primary)	8	Talk to User (Line 5, Primary)
9	Talk to User (Line 6, Primary)	10	Talk to User (Line 7, Primary)
11	Talk to User (Line 8, Primary)	12	[BLANK]
13	Connect to Radio (J9)	14	Connect to Radio 2 (J10)
15	Connect to Radio 3 (J11)	16	Connect to Radio 4 (J12)

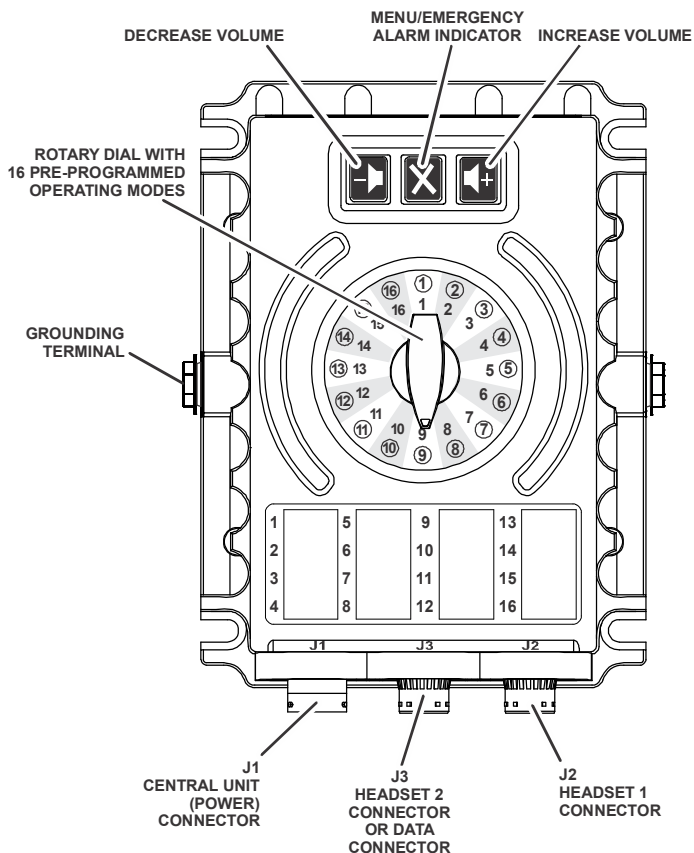
#### RF-7800I-BU BASIC UNIT

The RF-7800I-BU Basic Unit provides operators with access to a single pre-programmed mode of operation and a hands-free-user-interface. Operator controls for the Basic Unit is the three-button interface located on top of the unit. The Basic Unit is always connected to the Local Conference.



# RF-7800I INTERCOM SYSTEM

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